

REFERENCE DESIGNATOR:

NAME/QUANTITY: LBNP Controller 1

PROJECT: Orbiter

LRU NAME/QUANTITY: LBNPDS (1)

SUBSYSTEM: LBNP EFFECTIVITY: All Orbiters

DRAWING REFERENCE: <u>SED46105894-301</u>

LRU PART NUMBER: SED46105885

FAILURE MODE NUI LBNP-3	MBER CRITI	CALITY 3/1R	FAILURE EFFECT	FAILURE DETECTION METHOD
FUNCTION Regulates amount of vacuum applied to the crewmember's lower body.			END ITEM LBNP chamber will be exposed to higher vacuum, unknowingly	FLIGHT 1. Analog Pressure Meter 2. Blood Pressure Measurement 3. EKG 4. Relief valve opens
FAILURE MODE AND CAUSE Inaccurate reading or failure of electronic pressure meter Cause: Electronic part (Electronic)			MISSION Loss of DSO objective	GROUND Yes, EKG Measurement CORRECTIVE ACTION
			CREW/VEHICLE	Open manual relief valve Manually separate waist seal Disconnect any one of quick disconnects #1-4
			Possible crewmember injury if blood pressure and/or heart rate is reduced beyond	
SCREENS	EMAINING PATHS		acceptable limits.	
A - PASS B - PASS C PASS	1. Mechanical meter 2. Relief valve 3. Regulator : 4. ABPM		INTERFACE	REMARKS
MISSION PHASE	TIME TO EFFECT	TIME TO CORRECT		,
ORBIT ,	IMMEDIATELY	MINUTES		
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